● A. Decloux ●   /4

7-6-00

1644

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RAW SEQUENCE LISTING   DATE: 07/06/2000
PATENT APPLICATION: US/09/053,871A   TIME: 13:08:08

Input Set : A:\51917-b1.app
Output Set: N:\CRF3\07062000\I053871A.raw

```
 3 <110> APPLICANT: Pinsky, David J.
 4        Stern, David
 5        Rose, Eric
 6        Solomon, Robert A.
 7        Schmidt, Ann Marie
 9 <120> TITLE OF INVENTION: METHODS FOR TREATING AN ISCHEMIC DISORDER AND IMPROVING
10        STROKE OUTCOME
12 <130> FILE REFERENCE: 51917-B
14 <140> CURRENT APPLICATION NUMBER: 09/053,871A
15 <141> CURRENT FILING DATE: 1998-04-01
17 <160> NUMBER OF SEQ ID NOS: 22
19 <170> SOFTWARE: PatentIn Ver. 2.1
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 29
23 <212> TYPE: DNA
24 <213> ORGANISM: Artificial Sequence
26 <220> FEATURE:
27 <223> OTHER INFORMATION: Description of Artificial Sequence:
28        Oligonucleotides for producing Factor IXmi.
30 <220> FEATURE:
31 <223> OTHER INFORMATION: NNN=the complement to a DNA codon for any one of
32        the standard amino acids other than serine.
34 <400> SEQUENCE: 1
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W--> 35 tacagttcct ctannncccc ctggggtac   29

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38 <210> SEQ ID NO: 2
39 <211> LENGTH: 30
40 <212> TYPE: DNA
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44 <223> OTHER INFORMATION: Description of Artificial Sequence:
45        Oligonucleotides for producing Factor IXmi.
47 <220> FEATURE:
48 <223> OTHER INFORMATION: NNN=the complement to a DNA codon for any one of
49        the standard amino acids other than serine.
51 <400> SEQUENCE: 2
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W--> 52 tacagttcct ctannncccc ctggggtaca   30

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55 <210> SEQ ID NO: 3
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57 <212> TYPE: DNA
58 <213> ORGANISM: Artificial Sequence
60 <220> FEATURE:
61 <223> OTHER INFORMATION: Description of Artificial Sequence:
62        Oligonucleotides for producing Factor IXmi.
64 <220> FEATURE:
65 <223> OTHER INFORMATION: NNN=the complement to a DNA codon for any one of
66        the standard amino acids other than serine.
68 <400> SEQUENCE: 3
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RAW SEQUENCE LISTING   DATE: 07/06/2000
PATENT APPLICATION: US/09/053,871A   TIME: 13:08:08

Input Set : A:\51917-bl.app
Output Set: N:\CRF3\07062000\I053871A.raw

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W--> 69 tacagttcct ctannncccc ctggggtaca a                      31
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     74 <212> TYPE: DNA
     75 <213> ORGANISM: Artificial Sequence
     77 <220> FEATURE:
     78 <223> OTHER INFORMATION: Description of Artificial Sequence:
     79       Oligonucleotides for producing Factor IXmi.
     81 <220> FEATURE:
     82 <223> OTHER INFORMATION: NNN=the complement to a DNA codon for any one of
     83       the standard amino acids other than serine.
     85 <400> SEQUENCE: 4
W--> 86 gtacagttcc tctannnccc cctggggtac                        30
     89 <210> SEQ ID NO: 5
     90 <211> LENGTH: 31
     91 <212> TYPE: DNA
     92 <213> ORGANISM: Artificial Sequence
     94 <220> FEATURE:
     95 <223> OTHER INFORMATION: Description of Artificial Sequence:
     96       Oligonucleotides for producing Factor IXmi.
     98 <220> FEATURE:
     99 <223> OTHER INFORMATION: NNN=the complement to a DNA codon for any one of
    100       the standard amino acids other than serine.
    102 <400> SEQUENCE: 5
W--> 103 gtacagttcc tctannnccc cctggggtac a                      31
    106 <210> SEQ ID NO: 6
    107 <211> LENGTH: 32
    108 <212> TYPE: DNA
    109 <213> ORGANISM: Artificial Sequence
    111 <220> FEATURE:
    112 <223> OTHER INFORMATION: Description of Artificial Sequence:
    113       Oligonucleotides for producing Factor IXmi.
    115 <220> FEATURE:
    116 <223> OTHER INFORMATION: NNN=the complement to a DNA codon for any one of
    117       the standard amino acids other than serine.
    119 <400> SEQUENCE: 6
W--> 120 gtacagttcc tctannnccc cctggggtac aa                     32
    123 <210> SEQ ID NO: 7
    124 <211> LENGTH: 32
    125 <212> TYPE: DNA
    126 <213> ORGANISM: Artificial Sequence
    128 <220> FEATURE:
    129 <223> OTHER INFORMATION: Description of Artificial Sequence:
    130       Oligonucleotides for producing Factor IXmi.
    132 <220> FEATURE:
    133 <223> OTHER INFORMATION: NNN=the complement to a DNA codon for any one of
    134       the standard amino acids other than serine.
    136 <400> SEQUENCE: 7
W--> 137 agttacagtt cctctannnc cccctggggt ac                     32
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RAW SEQUENCE LISTING   DATE: 07/06/2000
PATENT APPLICATION: US/09/053,871A   TIME: 13:08:08

Input Set : A:\51917-bl.app
Output Set: N:\CRF3\07062000\I053871A.raw

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      142 <212> TYPE: DNA
      143 <213> ORGANISM: Artificial Sequence
      145 <220> FEATURE:
      146 <223> OTHER INFORMATION: Description of Artificial Sequence:
      147       Oligonucleotides for producing Factor IXmi.
      149 <220> FEATURE:
      150 <223> OTHER INFORMATION: NNN=the complement to a DNA codon for any one of
      151       the standard amino acids other than serine.
      153 <400> SEQUENCE: 8
W--> 154 agttacagtt cctctannnc cccctggggt aca                          33
      157 <210> SEQ ID NO: 9
      158 <211> LENGTH: 34
      159 <212> TYPE: DNA
      160 <213> ORGANISM: Artificial Sequence
      162 <220> FEATURE:
      163 <223> OTHER INFORMATION: Description of Artificial Sequence:
      164       Oligonucleotides for producing Factor IXmi.
      166 <220> FEATURE:
      167 <223> OTHER INFORMATION: NNN=the complement to a DNA codon for any one of
      168       the standard amino acids other than serine.
      170 <400> SEQUENCE: 9
W--> 171 agttacagtt cctctannnc cccctggggt acaa                         34
      174 <210> SEQ ID NO: 10
      175 <211> LENGTH: 29
      176 <212> TYPE: DNA
      177 <213> ORGANISM: Artificial Sequence
      179 <220> FEATURE:
      180 <223> OTHER INFORMATION: Description of Artificial Sequence:
      181       Oligonucleotides for producing Factor IXmi.
      183 <220> FEATURE:
      184 <223> OTHER INFORMATION: NNN=the complement to a DNA codon for any one of
      185       the standard amino acids other than aspartic acid
      186       and cysteine.
      188 <400> SEQUENCE: 10
W--> 189 attcatgtta gtannntaac gcgaagacc                               29
      192 <210> SEQ ID NO: 11
      193 <211> LENGTH: 30
      194 <212> TYPE: DNA
      195 <213> ORGANISM: Artificial Sequence
      197 <220> FEATURE:
      198 <223> OTHER INFORMATION: Description of Artificial Sequence:
      199       Oligonucleotides for producing Factor IXmi.
      201 <220> FEATURE:
      202 <223> OTHER INFORMATION: NNN=the complement to a DNA codon for any one of
      203       the standard amino acids other than aspartic acid
      204       and cysteine.
      206 <400> SEQUENCE: 11
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     210 <210> SEQ ID NO: 12
     211 <211> LENGTH: 31
    .212 <212> TYPE: DNA
     213 <213> ORGANISM: Artificial Sequence
     215 <220> FEATURE:
     216 <223> OTHER INFORMATION: Description of Artificial Sequence:
     217       Oligonucleotides for producing Factor IXmi.
     219 <220> FEATURE:
     220 <223> OTHER INFORMATION: NNN=the complement to a DNA codon for any one of
     221       the standard amino acids other than aspartic acid
     222       and cysteine.
     224 <400> SEQUENCE: 12
W--> 225 attcatgtta gtannntaac gcgaagacct t                      31
     228 <210> SEQ ID NO: 13
     229 <211> LENGTH: 30
     230 <212> TYPE: DNA
     231 <213> ORGANISM: Artificial Sequence
     233 <220> FEATURE:
     234 <223> OTHER INFORMATION: Description of Artificial Sequence:
     235       Oligonucleotides for producing Factor IXmi.
     237 <220> FEATURE:
     238 <223> OTHER INFORMATION: NNN=the complement to a DNA codon for any one of
     239       the standard amino acids other than aspartic acid
     240       and cysteine.
     242 <400> SEQUENCE: 13
W--> 243 tattcatgtt agtannntaa cgcgaagacc                        30
     246 <210> SEQ ID NO: 14
     247 <211> LENGTH: 31
     248 <212> TYPE: DNA
     249 <213> ORGANISM: Artificial Sequence
     251 <220> FEATURE:
     252 <223> OTHER INFORMATION: Description of Artificial Sequence:
     253       Oligonucleotides for producing Factor IXmi.
     255 <220> FEATURE:
     256 <223> OTHER INFORMATION: NNN=the complement to a DNA codon for any one of
     257       the standard amino acids other than aspartic acid
     258       and cysteine.
     260 <400> SEQUENCE: 14
W--> 261 tattcatgtt agtannntaa cgcgaagacc t                      31
     264 <210> SEQ ID NO: 15
     265 <211> LENGTH: 32
     266 <212> TYPE: DNA
     267 <213> ORGANISM: Artificial Sequence
     269 <220> FEATURE:
     270 <223> OTHER INFORMATION: Description of Artificial Sequence:
     271       Oligonucleotides for producing Factor IXmi.
     273 <220> FEATURE:
     274 <223> OTHER INFORMATION: NNN=the complement to a DNA codon for any one of
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                    RAW SEQUENCE LISTING              DATE: 07/06/2000
                    PATENT APPLICATION:  US/09/053,871A     TIME: 13:08:08

                    Input Set : A:\51917-bl.app
                    Output Set: N:\CRF3\07062000\I053871A.raw

       275        the standard amino acids other than aspartic acid
       276        and cysteine.
       278 <400> SEQUENCE: 15
W--> 279 tattcatgtt agtannntaa cgcgaagacc tt                     32
       282 <210> SEQ ID NO: 16
       283 <211> LENGTH: 31
       284 <212> TYPE: DNA
       285 <213> ORGANISM: Artificial Sequence
       287 <220> FEATURE:
       288 <223> OTHER INFORMATION: Description of Artificial Sequence:
       289        Oligonucleotides for producing Factor IXmi.
       291 <220> FEATURE:
       292 <223> OTHER INFORMATION: NNN=the complement to a DNA codon for any one of
       293        the standard amino acids other than aspartic acid
       294        and cysteine.
       296 <400> SEQUENCE: 16
W--> 297 ttattcatgt tagtannnta acgcgaagac c                      31
       300 <210> SEQ ID NO: 17
       301 <211> LENGTH: 32
       302 <212> TYPE: DNA
       303 <213> ORGANISM: Artificial Sequence
       305 <220> FEATURE:
       306 <223> OTHER INFORMATION: Description of Artificial Sequence:
       307        Oligonucleotides for producing Factor IXmi.
       309 <220> FEATURE:
       310 <223> OTHER INFORMATION: NNN=the complement to a DNA codon for any one of
       311        the standard amino acids other than aspartic acid
       312        and cysteine.
       314 <400> SEQUENCE: 17
W--> 315 ttattcatgt tagtannnta acgcgaagac ct                     32
       318 <210> SEQ ID NO: 18
       319 <211> LENGTH: 33
       320 <212> TYPE: DNA
       321 <213> ORGANISM: Artificial Sequence
       323 <220> FEATURE:
       324 <223> OTHER INFORMATION: Description of Artificial Sequence:
       325        Oligonucleotides for producing Factor IXmi.
       327 <220> FEATURE:
       328 <223> OTHER INFORMATION: NNN=the complement to a DNA codon for any one of
       329        the standard amino acids other than aspartic acid
       330        and cysteine.
       332 <400> SEQUENCE: 18
W--> 333 ttattcatgt tagtannnta acgcgaagac ctt                    33
       336 <210> SEQ ID NO: 19
       337 <211> LENGTH: 33
       338 <212> TYPE: DNA
       339 <213> ORGANISM: Artificial Sequence
       341 <220> FEATURE:
       342 <223> OTHER INFORMATION: Description of Artificial Sequence:
```

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY   DATE: 07/06/2000
PATENT APPLICATION: US/09/053,871A   TIME: 13:08:09

Input Set : A:\51917-b1.app
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```
L:35  M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:1
L:35  M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:1
L:35  M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1
L:52  M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2
L:52  M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2
L:52  M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2
L:69  M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:3
L:69  M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3
L:69  M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3
L:86  M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4
L:86  M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4
L:86  M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:4
L:103 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:5
L:103 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:5
L:103 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:5
L:120 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:6
L:120 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:6
L:120 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:6
L:137 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:7
L:137 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:7
L:137 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:7
L:154 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:8
L:154 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:8
L:154 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:8
L:171 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:9
L:171 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:9
L:171 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:9
L:189 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:10
L:189 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:10
L:189 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:10
L:207 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:11
L:207 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:11
L:207 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:11
L:225 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:12
L:225 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:12
L:225 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:12
L:243 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:243 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:243 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:13
L:261 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:14
L:261 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:14
L:261 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:14
L:279 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:15
L:279 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:15
L:279 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:15
L:297 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:16
L:297 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:16
L:297 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:16
```

VERIFICATION SUMMARY   DATE: 07/06/2000
PATENT APPLICATION: US/09/053,871A   TIME: 13:08:09

Input Set : **A:\51917-b1.app**
Output Set: **N:\CRF3\07062000\I053871A.raw**

```
L:315 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:17
L:315 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:17
L:315 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:17
L:333 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:18
L:333 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:18
L:333 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:18
L:351 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:19
L:351 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:19
L:351 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:19
```